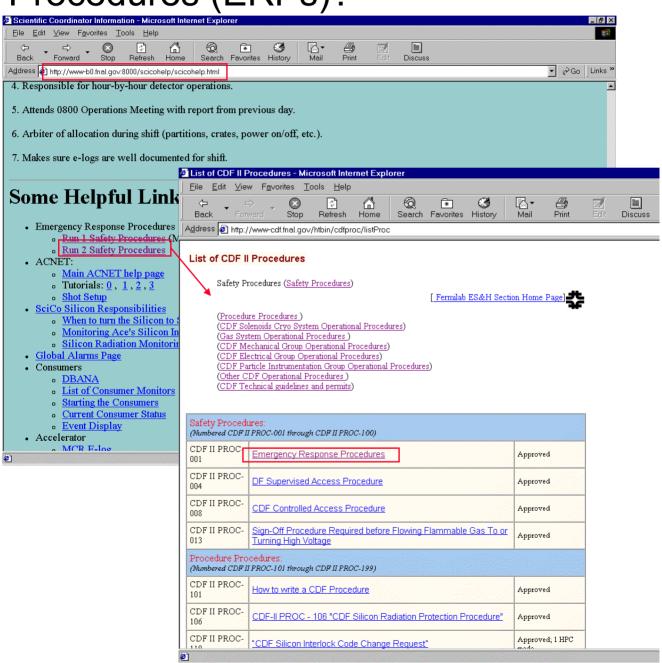


ERP 06/09/2003

Where are the Emergency Response Procedures (ERPs)?





- Flow charts of actions to be taken in emergency situations
- Most current version located on CDF web pages as shown on previous page
- Color keyed
  - → Black Procedure steps
  - Red Important safety warnings
  - Green Expert actions/suggestions
  - Blue Additional information or automatic actions



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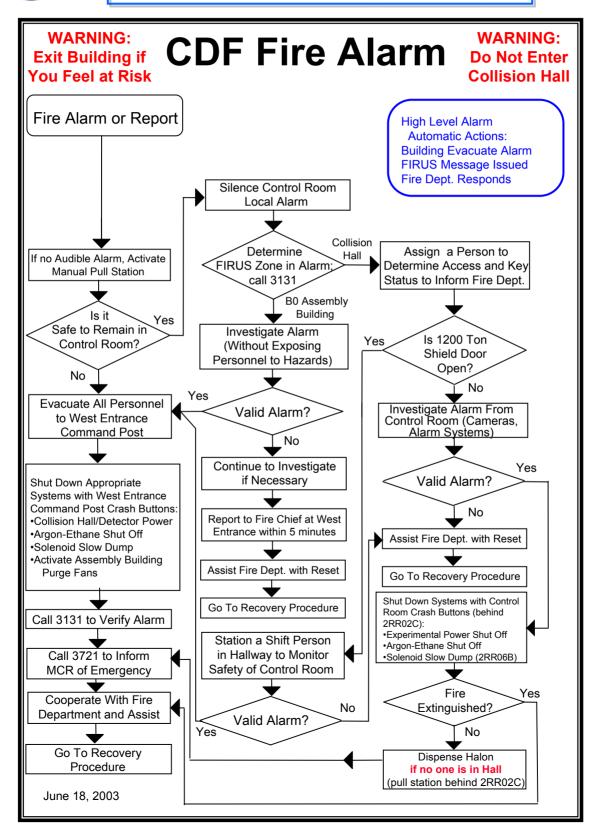
#### CDF Emergency Response Procedures:

- CDF Fire Alarm
- CDF Oxygen Deficiency Hazard (ODH)
  Alarm
  - Assembly Building with 1200 T shielding door closed
  - Assembly Building or Collision Hall with 1200 T shielding door open

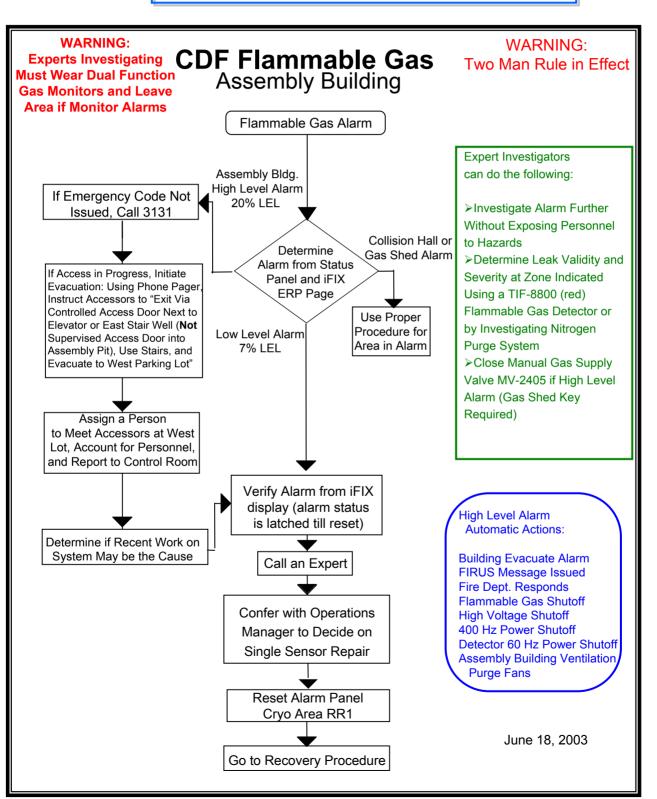
#### CDF Flammable Gas Alarm

- Assembly Building
- Collision Hall
- Gas Shed (behind Assembly Building, not gas mixing shed on other side of berm)
- COT Inerting
- Severe Weather (Tornado) Alarm
- Radiation Exposure Procedure
- → Spill Procedure
- Recovery Procedure

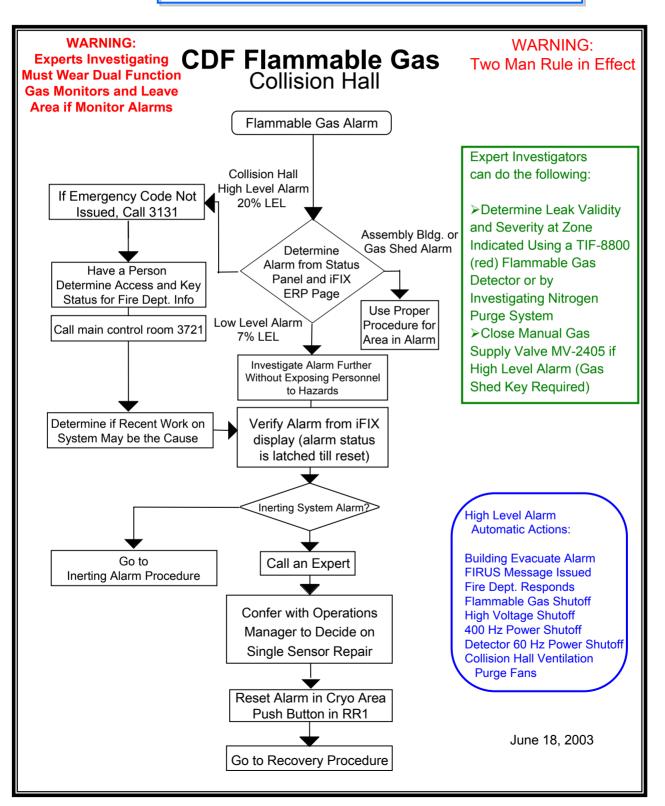




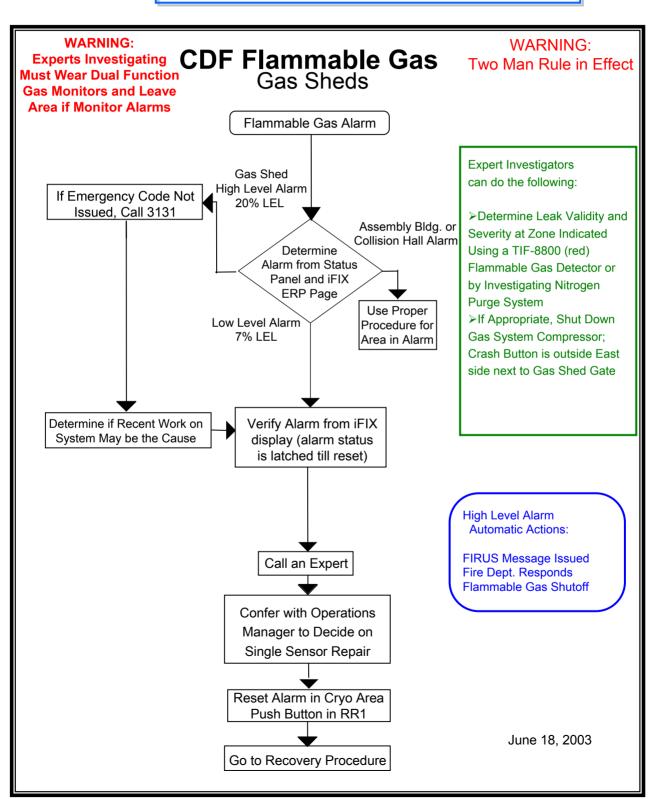




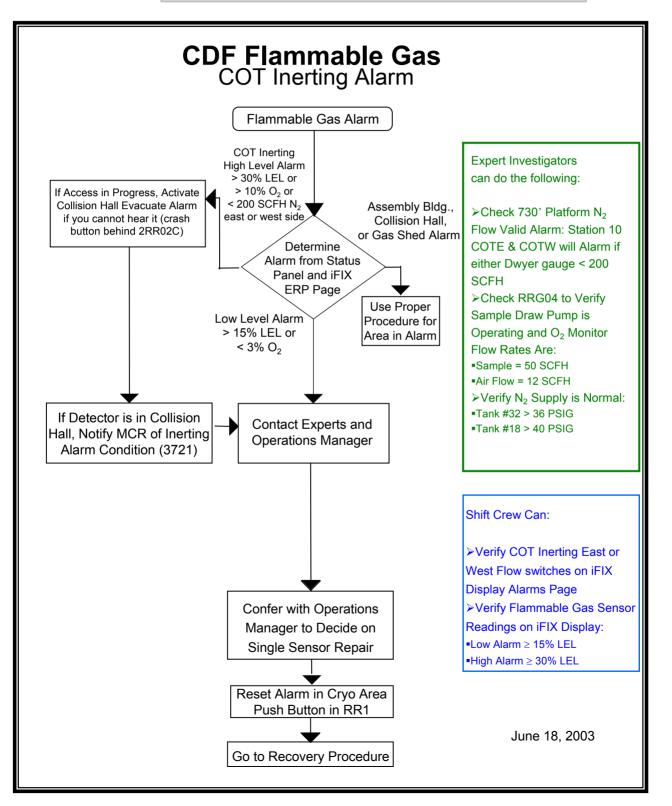












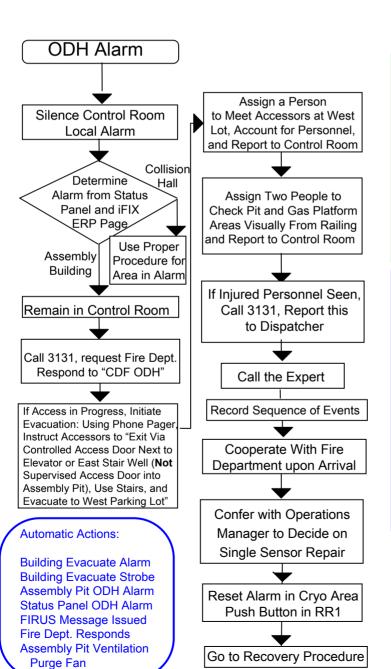


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WARNING: Do Not Enter Deep Pit

#### **CDF ODH Alarm**

Assembly Building with 1200 Ton Shield Door Closed



Expert Investigators can do the following:

- ➤ Check Alarm at Cryo Area Rack #1
- ➤Investigate Further:
- ■Check for Other Alarms
- ■Determine if Recent Changes are Cause
- ■From iFIX, check PF1
- ■Check Cryo System Readbacks

Alarm is Valid if any of the following are true:

- ➤ Vapor Cloud or Broken Line
  Seen
- Seen ≻More than One Sensor
- Indicates Latched Alarm
  ➤Latched Sensor Non-Normal
  Reading Persists
- ➤ All Access Keys Cannot Be Accounted For (Unless Assembly Pit is Not Part of Access Area

If Valid Alarm is Only One Non-Normal Sensor and no other Confirming Evidence is Found, Alarm is Declared False

June 18, 2003



Status Panel ODH Alarm

FIRUS Message Issued Fire Dept. Responds Assembly Pit Ventilation

Purge Fan

### Emergency Response Procedures (ERPs)

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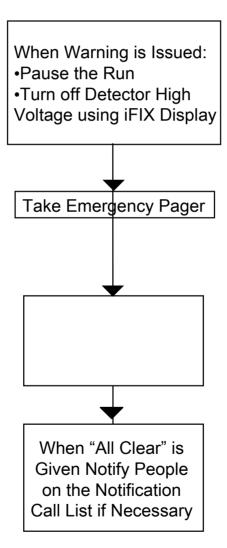
VARNING: Do Not Enter CDF ODH Alarm Deep Pit or Collision Hall Collision Hall or Assembly Building with 1200 Ton Shield Door Open **ODH Alarm** Expert Investigators can Silence Control Room do the following: Assign a Person to Inspect Local Alarm Collision Hall with Cameras ➤ Check Alarm at Crvo for Valid Alarm: Vapor Area Rack #1 Cloud, Broken Line, or Determine Zone In Alarm Injured Personnel ➤Investigate Further: from Status Panel and iFIX Check for Other Alarms Determine if Recent If Shielding Door is Remain in Control Room Changes are Cause Open, Assign Two ■From iFIX, check PF1 People to Check Pit and Check Cryo System Gas Platform Areas Call 3131, request Fire Dept. Readbacks Visually From Railing and Respond to "CDF ODH" Report to Control Room Alarm is Valid if any of the following are true: Assign a Person to ➤ Vapor Cloud or Broken Line Determine Access and If Injured Personnel Seen, Seen Key Status for Fire Dept. Call 3131, Report this ➤ More than One Sensor Info and meet Fire Dept. to Dispatcher Indicates Latched Alarm at West Command Post ► Latched Sensor Non-Normal Reading Persists Coordinate With ► All Access Keys Cannot Be Inform MCR- 3721 Accounted For (Unless Fire Department of ODH Alarm Assembly Pit is Not Part of Access Area Ask MCR to Investigate if Confer with Operations Tevatron Could be Reason for If Valid Alarm is Only One Non-Manager to Decide on **ODH Condition** Normal Sensor and no other Single Sensor Repair Confirming Evidence is Found, Alarm is Declared False Assign a Person to Keep Record Sequence of Events Phone Line Open to MCR **Automatic Actions:** Reset Alarm in Cryo Area Building Evacuate Alarm Building Evacuate Strobe Assembly Pit ODH Alarm Push Button in RR1

Go to Recovery Procedure



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#### CDF Tornado/Severe Weather Alarm



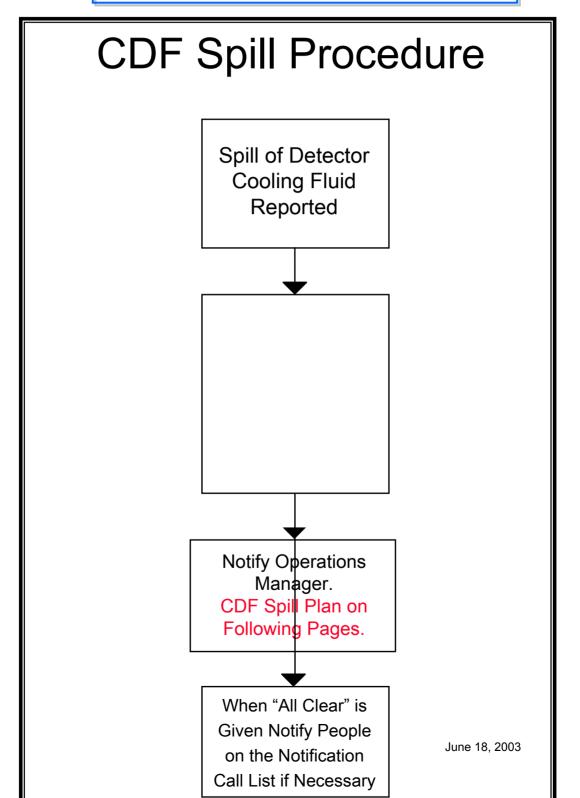
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#### **CDF** Radiation Exposure Receive Report of Exposure Have MCR Disable Beam to Area if Appropriate Advise the Detention of Anyone Possibly Exposed Call 3131, Report Radiation Exposure **CDF** Radiation Safety Officer (RSO): If Possible Dispatch Wayne Schmitt - 4407 a Person to Advise **CDF Senior Safety** Others to Keep Out Officer (SSO): of the Area, but do Martha Heflin - 3511 not enter Area Inform RSO and SSO of the Exposure Notify Personnel on the PPD/Emergency Call List and **CDF** Operations Manager **Document Pertinent** Operations Information for Exposure June 18, 2003 Await instructions from the Division Head







**ERP** 06/09/2003

Warning: Experts with MX241 or COM26 Monitors and Escape Packs should First Enter Pit After ODH False Alarms

#### CDF Recovery **Procedure**

Recovery from Low Level Alarm:

- •Flammable Gas
- COT Inerting
- VESDA Pre-alarm

Contact CDF Operations Manager to Identify and Authorize System Experts to Correct Problem, Restart Shut Down Systems, and Notify Call List Personnel

For Flammable Gas Low Level Alarm, CDF **Operations Manager May** Authorize Gas Tech to Repair Problem as per CDF-313 as Long as No **Dual Function Gas** Monitors Signal Alarm

Record Actions in Logbook

**Resume Normal Operations** 

Recovery from False Alarms:

- •Fire Alarm
- •Flammable Gas Alarm
- ODH Alarm

**Contact CDF Operations** Manager to Identify and Correct Problem, Restart Shut Down Systems, and Notify Call List Personnel

Authorize System Experts to

Record Actions in Logbook

Notify MCR that Alarm was False

**Resume Normal Operations** 

Recovery from Emergencies:

- Fire Alarm
- •Flammable Gas High Level Alarm
- ODH Alarm

**Contact CDF Operations** Manager to Identify and Authorize System Experts to Correct Problem, Restart Shut Down Systems, and Notify Call List Personnel

CDF Head Consults with Accelerator and PPD Heads and **Authorizes Normal Operations** 

Record Actions in Logbook

Notify MCR of Incident Termination and Resumption of Normal Operations

Resume Normal Operations

June 18, 2003